



Biochemistry Semi-Automatic Analyzer BTS-350 with external incubator

Technical Specifications

Optical System

Nominal range	-0.2 to 3.5 A
Nº of wavelengths	8
Wavelengths installed	340, 405, 505, 535, 560, 600, 635, 670
Band width of each wavelength	10 ± 2 nm
Wavelength error (1)	± 2 nm
Digital resolution	0.0001 A for 2.0 A
Screen resolution	0.001 A
Baseline stability	better than 0.001A in 60 minutes
Accuracy of the measurement (1)	CV ≤ 1% at 0.1 A CV ≤ 0.1% at 2 A
Trueness of the measurement (1)	±5% at 0.1 A ± 2% at 1.0 A ± 2% at 2.0 A ± 5% at 3.0 A

Thermostatic System

Thermostatisation range	25° C to 37° C
Accuracy of the temperature	± 0.5°C
Temperature stability	± 0.2° C in 30 minutes

(1) para 340, 405 y 505 nm

Aspiration System

Aspiration tube (external length) approx. 80 mm

Flow Cuvette

Length of light passage	10 mm
Diameter of light passage	1.5 mm
Volume	18 µL
Quality of the glass	Quartz
Standard cuvettes	Macro, semi-micro, micro
Test tubes	Round base with a diameter of 12 mm x 75 mm in length

Peristaltic Pump

Type of operation	Stepper motor
Nominal flow	10 mL/min
Aspiration volume	100 µL - 5000 µL
Cross contamination	< 5% at 200 µL
	< 3% at 300 µL
	< 0,7% at 400 µL
Waste bottle capacity	1L

Processing Unit

CPU	H6 Quad-core 64-bit 1.8GHZ ARM Cortex™-A53
Memory+Onboard Storage	1GB LPDDR3 (shared with GPU) +8GB EMMC Flash
USB3.0 Ports	2 x USB 3.0 Host
Onboard Network	10/100M/1000M, Ethernet RJ45
Database capacity (results)	>1.000.000 results

External Power Supply

Voltage	100 V to 240 V AC
Frequency	50/60 Hz
Output voltage	15V CC
Output power	30W

Dimensions and Weight

Size (H x W x D)	180mm x 245mm x 438mm (7.1in x 9.6in x 17.3in)
Weight	4290 gr. (9.43 lb)

Instrument Power Consumption

Average	5 W performing measurements
Minimum	2 W on standby

Environmental Conditions

Use	Indoor	Maximum relative humidity	85%
Height	< 2000 m	Installation category (current surge category)	II
Room temperature	10° C - 35° C	Pollution grade	2



DBI-I

DBI-I DRY Bath Incubator

Dry Bath Incubator

Features:

- * Exceptional temperature uniformity and accuracy -- due to advanced temperature control combined with high quality, precision engineered block providing excellent thermal contact.
- * Wide range of interchangeable aluminium blocks
- * Heat to 105°C, optional external temperature probe
- * Blocks optional available as accessories for all applications - tubes, vials and microplates.
- * Block extraction tool is supplied, allowing blocks to be removed easily.

1. Specification for DBI-I Dry Bath Incubator:

- * Temp control range: RT+5°C-105°C
- * Stability at 100°C: $\pm 0.4^{\circ}\text{C}$
- * Uniformity, within the block at 37°C: $\pm 0.2^{\circ}\text{C}$
- * Heating time (25°C to 100°C): $\leq 15\text{min}$
- * Display accuracy/Display: 0.1°C/LED
- * Timing range: 1-99h59min * Block Quantity: 1
- * External size: 250*190*130mm
- * Package size: 390*310*250mm
- * Net weight: 2.5kg; Gross weight: 4.1kg



DBI-I